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SEQUENCE LISTING

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<120> AVIAN HEPATITIS E VIRUS, VACCINES AND METHODS OF PROTECTING
AGAINST AVIAN HEPATITIS-SPLENOMEGALY SYNDROME AND MAMMALIAN
HEPATITIS E

<130> AM100389

<140> 10/029840

<141> 2001-12-31

<160> 25

<170> PatentIn version 3.1

<210> 1

<211> 3946

<212> DNA

<213> Hepatitis E virus

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<212> PRT
<213> Hepatitis E virus

<400> 2

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Gly Leu Gln Pro Thr Ser Trp Arg Thr Val Ser His Arg Cys Pro Trp
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Asp Val Cys Ile Phe Leu Arg Thr Asp Tyr Pro Thr Ile Thr Thr Thr

45

Page 4

<400> 4

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Asp Asp Thr Val Asp Gly Leu Leu Asp Ile Pro Pro Ala His Thr Asp
20 25 30

Val Ala Ala Val Leu Thr Ala Glu Ala Ile Gly His Ala Pro Leu Glu
35 40 45

Leu Ala Ala Ile Asn Pro Pro Gly Pro Val Leu Glu Gln Gly Leu Leu
50 55 60

Tyr Met Pro Ala Arg Leu Asp Gly Arg Asp Glu Val Val Lys Leu Gln
65 70 75 80

Leu Ser Asp Thr Val His Cys Arg Leu Ala Ala Pro Thr Ser Arg Leu
85 90 95

Ala Val Ile Asn Thr Leu Val Gly Arg Tyr Gly Lys Ala Thr Lys Leu
100 105 110

Pro Glu Val Glu Tyr Asp Leu Met Asp Thr Ile Ala Gln Phe Trp His
115 120 125

His Ile Gly Pro Ile Asn Pro Ser Thr Leu Glu Tyr Ala Glu Met Cys
130 135 140

Glu Ala Met Leu Ser Lys Gly Gln Asp Gly Ser Leu Ile Val His Leu
145 150 155 160

Asp Leu Gln Asp Ala Asp Cys Ser Arg Ile Thr Phe Phe Gln Lys Asp
165 170 175

Cys Ala Lys Phe Thr Leu Asp Asp Pro Val Ala His Gly Lys Val Gly
180 185 190

Gln Gly Ile Ser Ala Trp Pro Lys Thr Leu Cys Ala Leu Phe Gly Pro
195 200 205

Trp Phe Arg Ala Ile Glu Lys His Leu Val Ala Gly Leu Pro Pro Gly
210 215 220

Tyr Tyr Tyr Gly Asp Leu Tyr Thr Glu Ala Asp Leu His Arg Ser Val
 225 230 235 240
 Leu Cys Ala Pro Ala Gly His Leu Val Phe Glu Asn Asp Phe Ser Glu
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 Phe Asp Ser Thr Gln Asn Asn Val Ser Leu Asp Leu Glu Cys Glu Leu
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 Met Arg Arg Phe Gly Met Pro Asp Trp Met Val Ala Leu Tyr His Leu
 275 280 285
 Val Arg Ser Tyr Trp Leu Leu Val Ala Pro Lys Glu Ala Leu Arg Gly
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 Cys Trp Lys Lys His Ser Gly Glu Pro Gly Thr Leu Leu Trp Asn Thr
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 Val Trp Asn Met Thr Val Leu His His Val Tyr Glu Phe Asp Arg Pro
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 Arg Leu Thr Asp Lys Asn Trp Gly Pro Asp Ile Gln Arg Met Gln Asp
 405 410 415
 Leu Glu Gln Ala Cys Lys Asp Phe Val Ala Arg Val Val Thr Gln Gly
 420 425 430
 Lys Glu Met Leu Thr Ile Gln Leu Val Ala Gly Tyr Tyr Gly Val Glu
 435 440 445
 Val Gly Met Val Glu Val Val Trp Gly Ala Leu Lys Ala Cys Ala Ala

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455

460

Ala Arg Glu Thr Leu Val Thr Asn Arg Leu Pro Val Leu Asn Leu Ser
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Lys Glu Asp

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 <212> DNA
 <213> Hepatitis E virus

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<212> PRT
<213> Hepatitis E virus

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Arg Arg Asp Asn Ser Ala Gln Trp Ser Thr Gln Gln Arg Pro Glu Gly
35 40 45

Ala Val Gly Pro Ala Pro Leu Thr Asp Val Val Thr Ala Ala Gly Thr
50 55 60

Arg Thr Val Pro Asp Val Asp Gln Ala Gly Ala Val Leu Val Arg Gln
65 70 75 80

Tyr Asn Leu Val Thr Ser Pro Leu Gly Leu Ala Thr Leu Gly Ser Thr
85 90 95

Asn Ala Leu Leu Tyr Ala Ala Pro Val Ser Pro Leu Met Pro Leu Gln
100 105 110

Asp Gly Thr Thr Ser Asn Ile Met Ser Thr Glu Ser Ser Asn Tyr Ala
115 120 125

Gln Tyr Arg Val Gln Gly Leu Thr Val Arg Trp Arg Pro Val Val Pro
130 135 140

Asn Ala Val Gly Gly Phe Ser Ile Ser Met Ala Tyr Trp Pro Gln Thr
145 150 155 160

Thr Ser Thr Pro Thr Ser Ile Asp Met Asn Ser Ile Thr Ser Thr Asp

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 Ser Gly Ser Asn Arg Phe Ala Ala Leu Pro Ala Phe Gly Lys Pro Ala
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 595 600 605

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 <212> DNA
 <213> Hepatitis E virus

<400> 7

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<210> 8
 <211> 87
 <212> PRT
 <213> Hepatitis E virus

<400> 8

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Gly Cys Gln Gly Ala Pro Lys Arg Ser Gln Pro Glu Ala Gly Val Ala
 35 40 45

Ser Ala Ala Val Thr Ile Gln Pro Ser Gly Ala Leu Asn Asn Ala Pro
 50 55 60

Arg Glu Pro Ser Ala Pro Pro Leu Ser Gln Thr Leu Ser Pro Arg Gln
 65 70 75 80

Val Leu Ala Arg Tyr Gln Met
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 <212> DNA
 <213> Hepatitis E virus

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aacaacgccc cgagggagcc gtcggccccc cccctctcac agacgttgtc accgcggcag 240

gtactcgcac ggtaccagat gtag 264

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 <212> DNA
 <213> Hepatitis E virus

<400> 10
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<210> 11
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<210> 12
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